

Table 24  
Building 13 Indoor Air Sample Results - January 2017

Parameter	May 2016 USEPA Industrial Indoor Air Screening Level	B13IA-1 1/29/2017	B13IA-2 1/29/2017	B13IA-2 DUP 1/29/2017	B13IA-3 1/29/2017	B1315AA 1/29/2017
<b>TO-15 Compounds (ug/m<sup>3</sup>)</b>						
1,1,1-Trichloroethane	22000	<0.89	<0.88	<0.84	<0.89	<0.93
1,1,2,2-Tetrachloroethane	0.21	<1.1	<1.1	<1.1	<1.1	<1.2
1,1,2-Trichloroethane	0.77	<0.89	<0.88	<0.84	<0.89	<0.93
1,1-Dichloroethane	7.7	<0.66	<0.65	<0.63	<0.66	<0.69
1,1-Dichloroethylene	880	<0.65	<0.64	<0.61	<0.65	<0.68
1,2,4-Trichlorobenzene	8.8	<6.1	<6	<5.8	<6.1	<6.3
1,2,4-Trimethylbenzene	31	<0.81	<0.79	<0.76	<0.81	<0.84
1,2-Dibromoethane	0.02	<1.3	<1.2	<1.2	<1.3	<1.3
1,2-Dichlorobenzene	880	<0.99	<0.97	<0.93	<0.99	<1
1,2-Dichloroethane	0.47	<0.66	<0.65	<0.63	<0.66	<0.69
1,2-Dichloropropane	1.2	<0.76	<0.74	<0.72	<0.76	<0.79
1,2-Dichlorotetrafluoroethane	---	<1.1	<1.1	<1.1	<1.1	<1.2
1,3,5-Trimethylbenzene	---	<0.81	<0.79	<0.76	<0.81	<0.84
1,3-Butadiene	0.41	<0.36	<0.36	<0.34	<0.36	<0.38
1,3-Dichlorobenzene	---	<0.99	<0.97	<0.93	<0.99	<1
1,4-Dichlorobenzene	1.1	<0.99	<0.97	<0.93	<0.99	<1
1,4-Dioxane	2.5	<0.59	<b>1.8</b>	<0.56	<0.59	<0.62
2,2,4-Trimethylpentane	---	<3.8	<3.8	<3.6	<3.8	<4
2-Butanone (MEK)	22000	<b>2.1 J</b>	<b>2.7</b>	<b>3.1</b>	<b>2.9</b>	<b>1 J</b>
2-Hexanone	130	<3.4	<3.3	<3.2	<b>0.7 J</b>	<3.5
4-Ethyltoluene	---	<0.81	<0.79	<0.76	<0.81	<0.84
Acetone	140000	<b>7.6</b>	<b>15</b>	<b>11</b>	<b>9.8</b>	<b>6.6</b>
Allyl Chloride	2	<2.6	<2.5	<2.4	<2.6	<2.7
Benzene	1.6	<0.52	<b>0.51</b>	<0.5	<0.52	<0.55
Benzyl Chloride	0.25	<0.85	<0.83	<0.8	<0.85	<0.88
Bromodichloromethane	0.33	<1.1	<1.1	<1	<1.1	<1.1
Bromoform	11	<1.7	<b>0.19 J</b>	<1.6	<1.7	<1.8
Carbon Disulfide	3100	<2.6	<b>2.6</b>	<2.4	<2.6	<2.7
Carbon Tetrachloride	2	<1	<b>0.42 J</b>	<b>0.54 J</b>	<1	<b>0.51 J</b>
Chlorobenzene	220	<0.76	<0.74	<0.71	<0.76	<0.79
Chloroethane	44000	<2.2	<2.1	<2	<2.2	<2.2
Chloroform	0.53	<0.8	<0.79	<0.76	<b>0.18 J</b>	<0.83
Chloromethane	390	<b>1.2 J</b>	<b>1.4 J</b>	<b>1.3 J</b>	<b>1.2 J</b>	<b>1.1 J</b>
cis-1,2-Dichloroethylene	---	<0.65	<0.64	<0.61	<0.65	<0.68
cis-1,3-Dichloropropene	---	<0.74	<0.73	<0.7	<0.74	<0.78
Cyclohexane	26000	<0.56	<0.55	<0.53	<0.56	<0.59
Dibromochloromethane	---	<1.4	<1.4	<1.3	<1.4	<1.4
Dichlorodifluoromethane	440	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2.1</b>	<b>2</b>
Ethanol	---	<b>2.9</b>	<b>3.7</b>	<b>3.1</b>	<b>2.7</b>	<b>1.9</b>
Ethylbenzene	4.9	<0.71	<0.7	<0.67	<0.71	<0.74
Freon 113	130000	<b>0.45 J</b>	<b>0.38 J</b>	<b>0.41 J</b>	<b>0.4 J</b>	<b>0.39 J</b>
Heptane	---	<0.67	<b>0.3 J</b>	<0.64	<0.67	<0.7
Hexachlorobutadiene	0.56	<8.7	<8.6	<8.3	<8.7	<9.1
Isopropyl Alcohol	880	<b>0.98 J</b>	<b>1.6 J</b>	<b>1.5 J</b>	<b>0.88 J</b>	<b>0.63 J</b>
Isopropylbenzene	1800	<0.81	<0.79	<0.76	<0.81	<0.84
Methanol	88000	<110	<100	<100	<110	<110
Methyl Bromide	22	<3.2	<3.1	<3	<3.2	<3.3
Methyl Isobutyl Ketone (MIBK)	13000	<0.67	<0.66	<b>0.22 J</b>	<b>0.18 J</b>	<0.7
Methyl Tert Butyl Ether	47	<0.59	<0.58	<0.56	<0.59	<0.62
Methylene Chloride	1200	<1.1	<1.1	<b>0.18 J</b>	<b>0.31 J</b>	<b>0.2 J</b>

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Parameter	May 2016 USEPA Industrial Indoor Air Screening Level	B13IA-1 1/29/2017	B13IA-2 1/29/2017	B13IA-2 DUP 1/29/2017	B13IA-3 1/29/2017	B1315AA 1/29/2017
<i>TO-15 Compounds (ug/m<sup>3</sup>)</i>						
Naphthalene (TO-15)	0.36	<b>0.15 J</b>	<4.2	<4.1	<4.3	<4.5
Naphthalene (TO-17)	0.36	<0.061	<b>0.036 J</b>	<0.06	<0.059	<0.058
n-Hexane	3100	<0.58	<0.57	<0.55	<0.58	<0.6
n-Propylbenzene	4400	<0.81	<0.79	<0.76	<0.81	<0.84
Styrene	4400	<b>0.34 J</b>	<b>0.23 J</b>	<b>0.18 J</b>	<b>0.43 J</b>	<0.73
Tetrachloroethylene	47	<1.1	<1.1	<1	<1.1	<1.2
Tetrahydrofuran	8800	<b>1.9 J</b>	<b>1.6 J</b>	<b>1.4 J</b>	<b>2.4 J</b>	<2.5
Toluene	22000	<b>0.56 J</b>	<b>1.7</b>	<b>1.5</b>	<b>0.5 J</b>	<b>0.23 J</b>
trans-1,2-Dichloroethylene	---	<0.65	<0.64	<0.61	<0.65	<0.68
trans-1,3-Dichloropropene	---	<0.74	<b>0.19 J</b>	<0.7	<0.74	<0.78
Trichloroethylene	3	<0.88	<0.86	<0.83	<0.88	<0.92
Trichlorofluoromethane	---	<b>1.1</b>	<b>1.2</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>
Vinyl Chloride	2.8	<0.42	<0.41	<0.4	<0.42	<0.44
Xylene (total)	440	<0.71	<b>0.25 J</b>	<b>0.31 J</b>	<0.71	<0.74
<i>Methane (%)</i>						
Methane	0.5	<b>0.00019</b>	<b>0.0002</b>	<b>0.00018</b>	<b>0.00016</b>	<b>0.00019</b>

**Notes:**

Detected results are shown in bold.

--- The USEPA has not developed a vapor intrusion screening level for this parameter.

J: Indicates an estimated value.